

METHOD AND APPARATUS FOR INITIATING DATA BURSTS

ABSTRACT OF THE DISCLOSURE

The invention is directed to the management of data burst requests. In one embodiment, a method of the invention operates to determine a measure of one or more input data parameters, which in an advantageous embodiment are the input data rate and the amount of data available in the input data buffer at the beginning of the data burst. The invention then proceeds to the selection of an operating data rate for the data burst as a function of the input data parameter measures. In another embodiment, the operating data rate is determined by computing the required data rate as a function of the input data rate and the data content in the input data buffer at the beginning of the data burst, with the operating data rate being the lowest supported system data rate that is equal to or greater than the required data rate. In a further step, the invention proceeds to a selection of a duration for the data burst from the burst durations supported by the wireless communication system based on a combination of the selected operating data rate and an end-of-burst data rate. Advantageously, the system duration is selected such that, when the selected operating data rate is used, it provides a minimum end-of-burst data rate.